

5.1 SOUND CHANNEL DIGITAL SURROUND EARPHONE

ABSTRACT

The present invention relates to the technology field of electronic
5 product, more particularly to a 5.1 channel digital surround earphone. It
includes a earphone main body and a line-controller. There is a connecting
line between the earphone main body and the line controller, input port of the
line-controller is connected with a power amplifier box. The power amplifier
includes power supply input unit, regulating filter circuit, amplifying circuit,
10 and 5.1 channel signal input port. External power is inputted to the regulating
filter circuit through the power supply input unit, amplifying circuit is applied
by the output of the regulating filter circuit, the input port of the amplifying
circuit is connected to the 5.1 channel signal input port, and the output port of
the amplifying circuit is connected to the line-controller. The present
15 invention can improve the s/n and reduce the distortion ratio by the power
amplifying and filtering of the power amplifier box, and it can achieve fine
playback effect, alt behaving sufficiently mediant and bass sounding
comfortably, having fine digital surround effect. And the earphone adopts an
open-type design of earpieces, so that sounds clearly and feels comfortable
20 with the earphone on head, and it will not bother others in using.